

# INDEX

NAMES OF CONTRIBUTORS ARE PRINTED IN SMALL CAPITALS.

- ADAMS, CHARLES C., Migration as a Factor in Evolution, 55
- Adaptation and "Organic Purposefulness," FRANCIS B. SUMNER, 193, 338.
- ALLARD, H. A., Studies in Blossom Color Inheritance in Tobacco, 79; Gigantism in *Nicotiana tabacum* and its Alternative Inheritance, 218; The Mendelian Behavior of Aurea Character in a Cross Between Two Varieties of *Nicotiana rustica*, 234
- ARBER, AGNES, Heterophyly in Water Plants, 272
- AREY, LESLIE B., and W. J. CROZIER, Onchidium and Adaptive Coloration, 415
- Behavior and Assimilation, HENRY D. HOOKER, Jr., 506
- Cercariae*, Described, in the United States, A Biological Survey, ERNEST CARROLL FAUST, 85
- CASTLE, W. E., Siamese, an Albinistic Color Variation in Cats, 265; Piebald Rats and Selection, 370; Does Evolution occur exclusively by loss of Genetic Factors, 568
- COCKERELL, T. D. A., Varieties of *Helianthus tuberosus*, 188
- Color Factors in Mice, C. C. LITTLE, 185
- CRAMPTON, G. C., Evolution of Arthropods and Their Relatives, 143
- CROZIER, W. J., Regeneration and Reformation of Lunules in *Melitta*, 93; Resistance of *Fundulus* to Concentrated Sea Water, 180; Coalescence of the Shell Plates in Chiton, 278; and LESLIE B. AREY, Onchidium and the Question of Adaptive Coloration, 415
- DUERDEN, J. E., Germ Plasm of the Ostrich, 312
- DUNN, L. C., Linkage between Genes for Yellow and for Black in Mice, 558
- Egg-weight as a Criterion of Numerical Production in the Domestic Fowl, PHILIP HADLEY, 377
- English Sparrow in Death Valley, JOSEPH GRINNELL, 468
- Environmental Reactions of *Phrynosoma*, A. O. WEESE, 33
- Evolution, Migration as a Factor, CHARLES C. ADAMS, 55; of Arthropods and Their Relatives, G. C. CRAMPTON, 143; and Taxonomy, Z., 282; Does it occur exclusively by Loss of Genetic Factors, W. E. CASTLE, 568; and Genetics in *Leptinotarsa*, C. R. PLUNKETT, 561
- FAUST, ERNEST CARROLL, A Biological Survey of Described *Cercariae* in the United States, 85
- Fundulus*, Resistance of, to Concentrated Sea Water, W. J. CROZIER, 180
- GALLASTEGUI, G. A., and D. F. JONES, Factor Relations in Maize with reference to Linkage, 239
- Genetics and Evolution in *Leptinotarsa*, C. R. PLUNKETT, 561
- Germ Plasm of the Ostrich, J. E. DUERDEN, 312
- GLEASON, H. A., Variability in Flower-number in *Vernonia missurica* Raf., 526
- GRINNELL, JOSEPH, The English Sparrow in Death Valley, 468
- Guinea-pigs, Synthetic Pink-eyed Self White, HEMAN L. IBSEN, 120
- GUDGER, E. W., The Use of the Sucking-fish for catching Fish and Turtles, 289, 446, 515
- HADLEY, PHILIP, Egg-weight as a Criterion of Numerical Production in the Domestic Fowl, 377
- Heterophyly in Water Plants, AGNES ARBER, 272
- HOOKER, HENRY D., Jr., Behavior and Assimilation, 506
- Hooke's Micrographia, LORANDE LOSS WOODRUFF, 247
- Hybridization, Darwin's Contribution to the Knowledge of, HERBERT F. ROBERTS, 535; of Plants, The Contribution of Carl Friedrich von Gärtner to the History of, HERBERT F. ROBERTS, 431

- Hybrids among Species of *Spirogyra*, EDGAR NELSON TRANSEAU, 109
- IBSEN, HEMAN L., Synthetic Pink-eyed Self White Guinea-pigs, 120
- Inheritance of Hull-lessness in Oat Hybrids, H. H. LOVE, 5; of Blossom Color in Tobacco, H. A. ALLARD, 79; of White Spotting and Other Color Characters in Cats, P. W. WHITING, 473
- Helianthus tuberosus*, Varieties of, T. D. A. COCKERELL, 188
- JONES, D. F., and GALLASTEGUI, G. A., Factor Relations in Maize with Reference to Linkage, 239
- Leptinotarsa, Genetics and Evolution in, C. R. PLUNKETT, 561
- Linkage between the Genes for Yellow and for Black in Mice, L. C. DUNN, 558
- LITTLE, C. C., The Fate of Individuals homozygous for Certain Color Factors in Mice, 185
- LOVE, H. H., and MCROSTIE, G. P., Inheritance of Hull-lessness in Oat Hybrids, 5
- Lunules, Regeneration and Reformation in *Mellita*, W. J. CROZIER, 93
- MCROSTIE, G. P., and LOVE, H. H., Inheritance of Hull-lessness in Oat Hybrids, 35
- Maize, Crosses, an Early Paper on, HERBERT F. ROBERTS, 97; Factor Relations in Maize with Reference to Linkage, D. F. JONES and G. A. GALLASTEGUI, 239; Morphological Basis of some Experimental Work with, PAUL WEATHERWAX, 269
- Mendelian Behavior of Aurea Character in a Cross between Two Varieties of *Nicotiana rustica*, H. A. ALLARD, 234
- NABOURS, ROBERT K., Parthenogenesis and Crossing-over in Grouse Locust Apotettix, 131
- Nicotiana tabacum*, Gigantism and its Alternative Inheritance in, H. A. ALLARD, 218
- Onchidium and the Question of Adaptive Coloration, W. J. CROZIER and LESLIE B. AREY, 415
- PARKER, G. H., Effects of the Winter of 1917-1918 on the Occurrence of *Sagartia Luciae* Verrill, 280
- Parthenogenesis and Crossing-over in the Grouse Locust Apotettix, ROBERT K. NABOURS, 131
- Piebald Rats and Selection, W. E. CASTLE, 370
- PLUNKETT, C. R., Genetics and Evolution in *Leptinotarsa*, 561
- RILEY, E. F. CURTIS, Habitat Responses of the Large Water-strider, *Gerris remigis* Say, 394, 483
- ROBERTS, HERBERT F., An Early Paper on Maize Crosses, 97; The Contribution of Carl Friedrich von Gärtner to the Hybridization of Plants, 446; Darwin's Contribution to the Knowledge of Hybridization, 535
- Sagartia Luciae* Verrill, the Effects of the Winter of 1917-1918 on the Occurrence of, G. H. PARKER, 280
- Shell Plates, Coalescence of, in Chiton, W. J. CROZIER, 278
- Siamese an Albinistic Color Variation in Cats, W. E. CASTLE, 265
- Sucking-fish, the Use of, for catching Fish and Turtles, E. W. GUDGER, 289, 446, 515
- SUMNER, FRANCIS B., Adaptation and the Problem of "Organic Purposefulness," 193, 338
- Taxonomy and Evolution, Z., 282
- TRANSEAU, EDGAR NELSON, Hybrids among Species of *Spirogyra*, 109
- Vernonia missurica* Raf., Variability in Flower-number in, H. A. GLEASON, 526
- Water-strider, Habitat Responses of, C. E. CURTIS RILEY, 394, 483
- WEATHERWAX, PAUL, Morphological Basis of some Experimental Work with Maize, 269
- WESE, A. O., Environmental Reactions of *Phrynosoma*, 33
- WHITING, P. W., Inheritance of White Spotting and Other Color Characters in Cats, 473
- WOODRUFF, LORANDE LOSS, Hooke's Micrographia, 247

